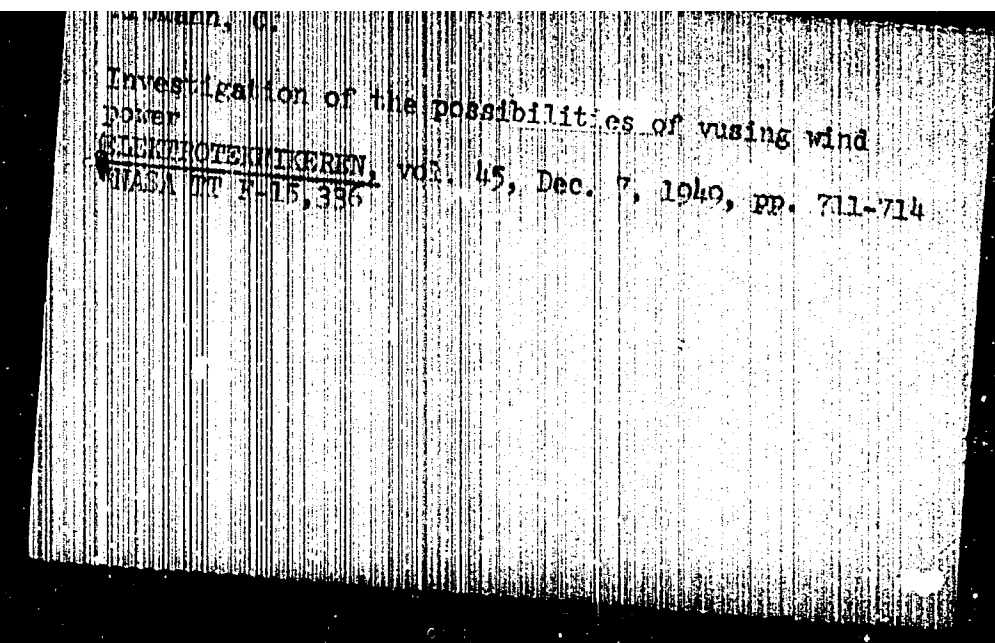
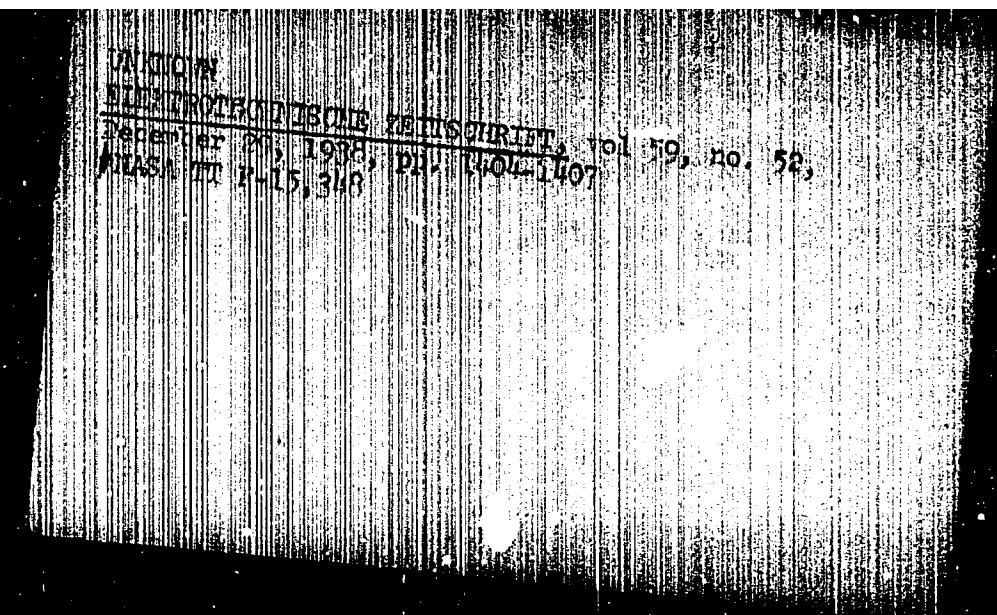


Frolov, V. S.

Electronic computing technology in military
operations (chapters VIII, IX, and X) 52 pp
ELEKTRONNO-VYCHISLITEL'NAYA TEKHNIKA V
VOYENNOY DELE, 1972, pp. 80-124
AIR/PTD-WT-24-730-74



December 22, 1938, pp. 1373-1376
NASA TT F-15,308



Van Buren, A. W.

Utilization of Wind Power

ELEKTROTECHNISCHE ZEITSCHRIFT, vo. 61, no. 34, Aug. 22,

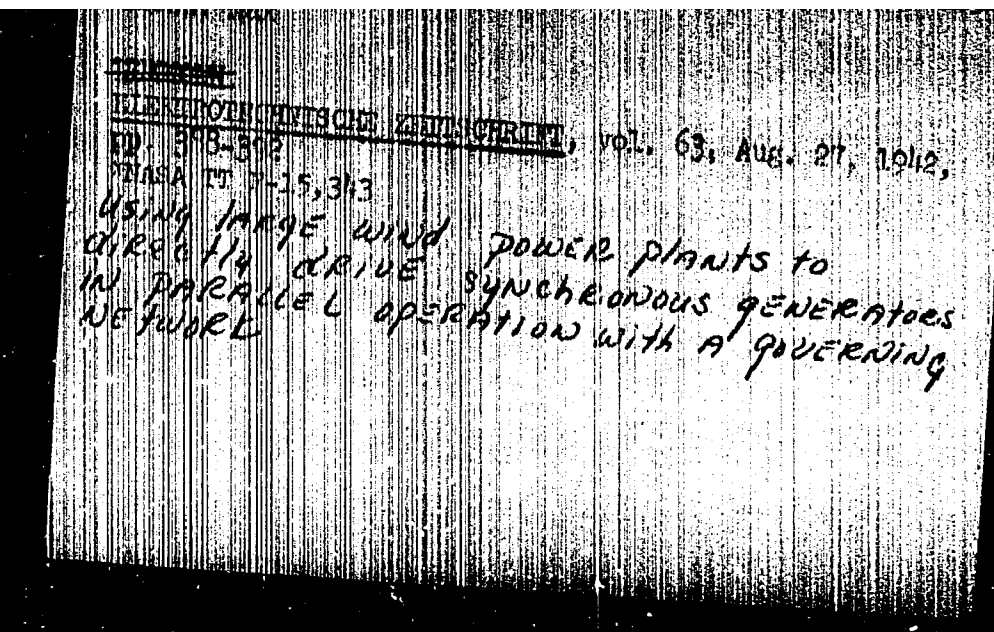
1940, pp. 787-790

*NASA TT F-15,300

TECHNISCHE ZEITSCHRIFT, vol. 63, Aug. 13, 1942,
pp. 162-67

NASA TT F-15,301

The direct driving of synchronous generators by
large scale wind electrical power generating
plants in parallel operation with a synchronizing
network, part 2 operation with a synchronizing



Parallel Operation of a Synchronous Generator connected
to a System of Infinite capacity when driven by a
Honnef High Power Wind Turbine

ELEKTROTECHNISCHE ZEITSCHRIFT, vol. 69, no. 9,
September 1948, pp. 293-296

ANASA TT F-15,302

Seidel, G. R.

Small wind electric systems of export
ELECTROTECHNISCHE ZEITSCHRIFT, vol. 70, no. 5, May, 1949.

pp. 78-80

WASA TT 8-15,350

Klass, Max

Production of heavy current by windmills

DEUTSCHE TECHNISCHE ZEITSCHRIFT, vol. 72, no. 7,

April 1, 1951, pp. 201-202

NASA TT F-15,303

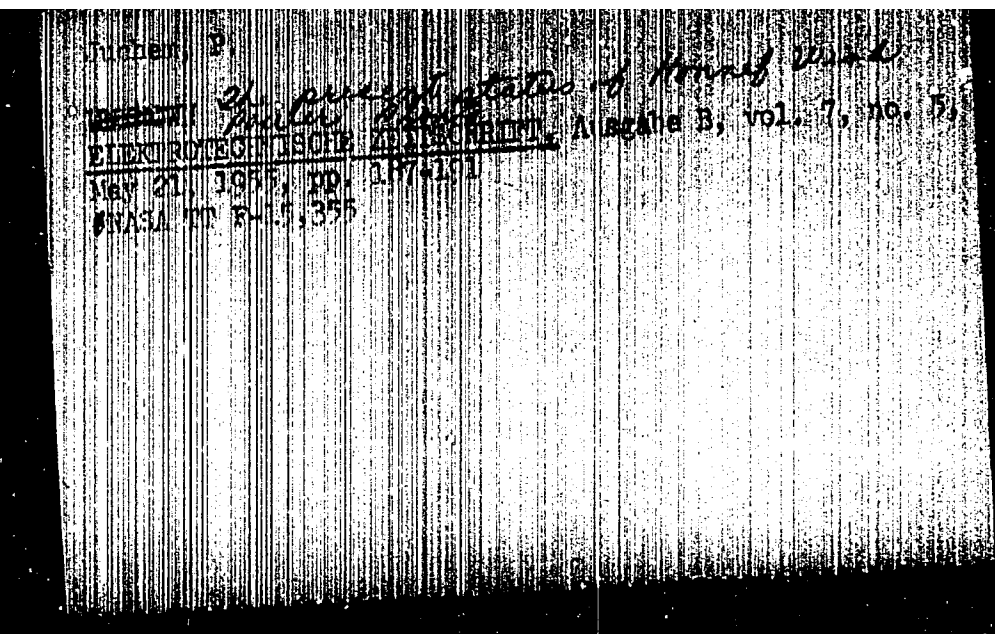
Pigge, Hans

Antenna Towers as Wind Power Generators

ELEKTROTECHNISCHE ZEITSCHRIFT, vol. 73, no. 4,

February 15, 1952, pp. 95-96

NRASA TT 15-15,304



THEORETICAL K.
//A. G. M. DECHER 18000 2000 1000, 10000 A//
1/1/1000, 10000 10000,
A Contribution to the Theory of Economic
Utilization of Large Storage Lakes for Power
Generation,
10000-10000, 10000 10000-10000

Koppert, S.

Pulse height and duration for electric fences.

ELEKTROTECHNISCHE ZEITSCHRIFT B, Vol 16, No 6, 1963,

pp 107-113

O.A. trans 1328

P. MERTENS

Power Input and Optimum Saturation of Static Frequency
Converters.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A. Vol 86,

pp 506-507, 1965.

NTC 73-10028-09C

Mar 73

Dietrich, H.

Hard magnetic materials for hysteresis motors
and hysteresis clutches.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A, v. 87,
p. 665-673, 1966.

NIC 73-11048-09C

Schemm, H.

Efficiency of small 2-pole d.c. permanent
magnetic rotor motors.

ELEKTROTECHNISCHE ZEITSCHRIFT AUSGABE A.

1967, pp 225-229, v. 88.

NTC 75-12031-090.

Stoll, P. R. et al.

A Chromatographic Method for the determination of
Inhibitors in Transformer Oils
ELEKTROTECHNISCHE ZEITSCHRIFT A, vol. 90, (Apr 1969),
pp. 176-179
C. E. TRADE. 5768

W. PREIFFER

Construction and Testing of Coaxial Tubular Resistances
with Very Short Rise Times.

ELEKTROTECHNISCHE ZEITSCHRIFT, AUSGABE A. Vol 91, pp 59-
60, 1970.

NTC 73-10261-090

Mar 73

K. FESER

Effect of Humidity on the Breakdown Behaviour at
Alternating Voltage.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A. Vol 91,

pp 584-586, 1970

NTC 73-10264-09C

Mar 73

Dennhardt, A.

Optimization of models for electrical safety
in the field of information and control
technology.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A,

v. 91, n. 5, p. 274-278, 1970.

NTC 73-11111-09C

Ignacz, P.

New methods of judging and improving the switching
surge performance of outdoor insulators

ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol 91, No 7, pp 405-
409, 1970

C.E. Trans. 5798D

may 73

Haubrich, H.

Single Pole Rapid Reclosing in EHV Systems
over 500 kV

ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol 91, No 8
Aug 1970, pp 453-458

BPA Trans 30712

K. BUSCH

Optimization of Cylindrical Composite Insulation.
ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A. Vol 91,
pp 467-469, 1970.
NTC 73-10262-09C

Mar 73

Becher, W.

Decomposition of sulphur hexafluoride in electric arcs
and sparks.

A. GRUTZ

Mathematical Investigation of Circuit Breaker Performance with the Aid of a Generalised Arc Theory.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A. Vol 92,

pp 185-191, 1971.

NTC 73-10097-09A

Mar 73

Janisch, O.

Influence of Motors on Short-Circuit Loads in Industrial
Supply Networks

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE 2, V. 23, 1971

p. 211-213

NTC 73-11658-090

NLL 8313,4 (6081)

GERMAN

Comp. Sp
15 pp

CSO: 8320/0453

5 September 1973

Problems of Fusion Reactor, by H. L. Jordan

West Berlin, ETZ Elektrotechnische Zeitschrift,
Issue A, Vol 92, No. 5 1971, pp 258-264.

Spec type B

Do not publish

Translator's draft plus one copy

Beyer, M.

The time dependence of the dielectric loss factor
for chlorinated diphenyls in the ionic conduction
range.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A,

Vol 92, 1971, pp 395-400.

NTC 73-11535-07D

W. RASQUIN

Importance of Using Composite a. c./d. c. Voltages
for Testing Performance of Gaseous Insulants.
ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A. Vol 92.
pp 489-494, 1971.
NLNTC 73-10094-09C

Mar 73

Feser, K.

Effect of Internal Impedance of Voltage Source on
Breakdown of Air Gaps

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A, v. 92, 1971,

p. 455-500

NTC 73-11607-09C

NLI 9022.02 (5682)

P. Tietgen

A capacitor bushing with separate radial
and axial control systems.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A, Vol. 93,

PP 40-44, 1972

NTC 72-15173-09A (on loan)

may 73

Unconventional Long-Range Rapid-Transit Systems
by S. H. Hedrich.

ELEKTROTECH ZEIT Vol 24 No 3 1972 pp 47-52.

NAVY/APL/JHU-T-2715

May 73

Schmitz, W.

SF₆ gas in switchgear construction. Solution of the
problems of insulation and arc extinction.

ELEKTROTECHNISCHE ZEITSCHRIFT B, Vol 24, No 6, 1972, pp
131-135.

A. R. Trans 637

3-Apr-74
Uncl (ORNL-tr--2804) Manufacturing methods in coll
technology: SPRINGER, K. Translated by R. Gregg
Mansfield from Elektrotech. Z., 8; 24: No. 15/16, 392-
395(1972). 10p. Dep. NTIS \$3.00.
09 electronics and electrical engineering: translations
MN-38 P KSA

Müller, K. B.

Partial discharges at high direct-voltage in extruded polyethylene.

ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol 93, No 3, 1972,
pp 153-156

A. R. Trans 640

A. Csornatony-Hoffer
Non-Destructive Testing of High Voltage Insulation.
ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol. 93, No. 6, pp 326-
335, June 1972.
BIA trans 29487

apr 73

Mueller, W.

Unconventional Instrument Transformers for EHV
Installations.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE A. ZENTRALBLATT
FÜR ELEKTROTECHNIK, Vol 93, pp 362-366, 1972

Available on loan from NTC 73-10515-09C

may 73

Brakelmann, H.

Calculation of circuit-breaker behaviour using Hochrain-
er's arcing conditions and the transient recovery volt-
age without external influence.

ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol 93, No 7, July 1972,
pp 419-423.

C. E. Trans 6024

Krause, K.

The model of the static and dynamic arc.

ELECTROTECHNISCHE ZEITSCHRIFT A, Vol 93, No 7, July 1972

pp 421-423.

C. E. Trans 6234

L. Mocks

An investigation of conductor vibrations
ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol. 93,
No. 8, pp. 451-456 (Aug. 1972)
C. E. Trans. 6175

Rietz, V.

Fault Location in the Medium-Voltage System.

ELEKTROTECHNISCHE ZEITSCHRIFT. AUSGABE B, v. 23, 1972,

p. 486-488

NTC 73-11986-09C

NEL 6106.3 (755)

Rasokat, H.

Loading characteristics of test voltage sources for alternating and direct voltage and their effect on the withstand voltage characteristics of polluted insulators.

ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol 93, No 11, Nov 1972,

PP 655-657

BPA Trans 30387

Forster, R.

Methods of dynamic security monitoring of power systems.

ELEKTROTECHNISCHE ZEITSCHRIFT A, Vol 94, No 4, Apr 1973

pp 318-320

BPA trans 31879

Kunos, Ignac

International Trends in the Development of
Metallic Packaging Materials and Domestic
Implications in the Food Industry 9 pp

ELEMEZESI IPAR Vol 24, No 2, pp 45-49

FSTC-HT-23-1327-73

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

Kiss, Istvan

Test Data for Use in Determining the
Sensitivity of Microorganisms to Radiation 11 pp

HELMISZERVIZSGALATI KOZLEMENYEK, Vol 17, No 5-6,
1971, pp 237-246

FSTC-HT-23-931-73

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

HICSY, M.
//ESTIMATE IPAR//
---/---/---, V0026, N0000,
Rapid Tracing of Prepared Meals for Mass Feeding,
113 pp.
REF 283-000, TSIC-INT-23-1173-73
DISTRIBUTION LIMITED TO US GOVT AGENCIES

Nep, Rudy, D

Mechanics and Practical Problems of
Aseptic Storage

7 pp

ELEMEZES LPAR, Vol 26, No 5, 1972 pp 138-142

PSTC-HT-23-211-73

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

PRODUCTION OF POWDERED FOODS BY AZEOTROP-MIXT
URE DEHYDRATION

PAP L

LANGUAGE-HU COUNTRY-HU

ELELMEZESI IPAR 1972 NU 11 PP 326-329

FSTC-HT-23-1469-73

ROLE OF FOOD INDUSTRIES IN UP-TO-DATE COMMUNA
L FEEDING

LASZLO K

LANGUAGE-HU COUNTRY-HU

ELELMEZESI IPAR 1972 NO 12 PP 368-371

FSTC-HT-23-1470-73

LUGOST, J.
//ELEMESTIPAR//
--/--/1973, V0027, N0001
Use of plastic containers and packaging material
in the food industry 14 pp
PP 11-16 ARM/FSTC/HT-23-1726-73
DISTRIBUTION LIMITED TO US GOVERNMENT AGENCIES
ONLY##

UTILIZATION OF VARIOUS SOY PRODUCTS IN THE PR
DUCTION OF FOODS

KARPATI GYORGY

LANGUAGE-HU

COUNTRY-HU

ELELMEZESI IPAR XXVII NO 10 PP 294-303

FSTC-HT-23-0874-74

Karpati, Gyorgy

Food Industry Research, Research Organization
Among CEMA Countries Described, 13 pp.
ELEIMÉZESI IPAR, Budapest, No 12, Dec 73,
pp 369-371.
JPRS 61170

Mar 74

Theory of Sets (Introduction) 9 pp.
ELEMENTS DE MATHEMATIQUE, PART 1, 7 pp,
1960.
ACSI *K-3632

Apr 73

Lorents, A.A.

ELEMENTY KONSTRUKTIVNOI TEORII VEROYATNOSTNYKH
AVTOMATOV (Elements of the Constructive Theory
of Probabilistic Automata) AkN Latviskoi, SSR
Institut Elektroniki i Vychislitel'noi
Tekhniki Zinatne, Riga, 1972 235 pp Boc.

*IPST 8 May 1973

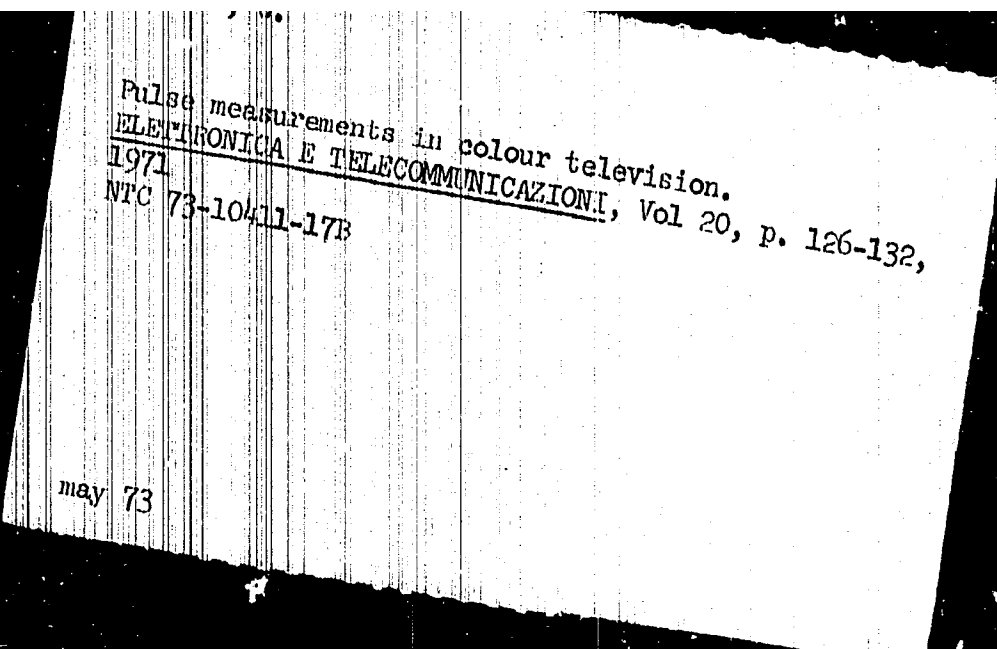
July 1973

Cataliotti V.

Rapid fluctuations of voltage produced in electrical distribution networks by arc furnaces.

ELETTROTECNICA, Vol 59, pp 749-760, July 1972

O. A. Trans 838



MAZIEL, U.

The Fast Fourier Transform (FFT) in the Computerised
Analysis of Analog and Digital Linear
Systems 27 pp

ELETTRONICA E TELECOMUNICAZIONI Vol 21, No 6
Nov/Dec, 1973, pp 225-233

GB/DEFDRIC/TRAN-3279-73

NTC 74-11184-098

Sectorov, W. R.

The first aerodynamic three-phase electric power
plant in Balaklava. 13pp

L'ELETTRONICA. v. 21, no. 23-24, 1934. pp538-542

NASA TT F 14933

Wind power plant
ELECTRONICA, vol. 94, nov. 1947, pp. 463-464
ENIGMA 17 1-17, 344

Serranli, C.

Remarks on modern wind-driven electric plant
ELECTROTECHNICA, vol. 14, Dec. 10, 1947, pp. 104-108

WAPA 11, 357

D. C. generators for use of wind power
ELECTROTECHNICA, vol. 32, Aug. 10-25, 1949, pp. 176-183
VR57-111-1, 1951

Utilization of wind power by Ward-Leonard type circuit
with inverted operation
ELECTROTECHNICA, vol 36, Aug. 16-25, 1949, pp.383-385
TABAS DT F-15.352

Wind-Electric Pilot Plant to medium capacity with
Hydraulic Energy accumulation by Pumping
ELETTROTECNICA, vol. 37, Sept. 15-25, 1950, pp. 398-
400
NASA TT F-15,200

Corrigan, C.

Application of the iteration method to the resolution of electrostatic fields, using the electronic computer.

ELETTROTECNICA, Vol. 50, 1963, P. 245-251.

Figs., formulae, refs. omitted.

NTC 77-11296-09E

Catalionci, V.

*Rapid fluctuations of voltage produced in electrical
distribution networks by arc furnaces.*

ELETTROTECNICA, Vol 59, No 7, 1978, pp 749-760

NTC 73-14581-09C

G. Sagre

Automatic control for Lake Dalio pumped storage plant
ELETTROTECNICA ITALIANA, Paper No. 4.1.05, 1969
CE trans 6014

apr 73

U.S. STEEL, L.

U.S. STEEL, L.

U.S. STEEL, L.

Interference Caused In Electrical Distribution
Networks by Electric Domestic Appliances Fitted
with Electronic Control Devices (Thyristors),
IEC 17-189, IEC 7-111, 89-00026

O. A. Trans. 1366

Ministries Set Goals for 1974, 10 pp.
ELEV THERIA, Nicosia, 1 Jan 74, pp 1, 6.
JPRS 61029

Feb 74

Discuss Measures Urgently Needed to
Combat Pollution of Greek Seas, by Alekos
Rigas, 6 pp.
GREEK, np, Eleftheros Kosmos, Athens, 4 Mar 73,
p 32.
JPRS 58560

Apr 73

Greek-USSR Agreement Signed to Exploit
Filippoi Heat Fields, 5 pp.
GREEK np, Eleftheros Kosmos, Athens, 19 Apr
73, pp 1, 11.
JPRS 59250

Jun 73

Papanagiotou, Pan.

Deputy Agricultural Minister Expounds on
Agricultural Policy, 8 pp.

ELEVTHEROS KOSMOS, Athens, 31 Aug 73, pp 1, 3;
2 Sep 73, pp 1, 8; 5 Sep 73, p 3; 6 Sep 73,
p 3.

JPRS 60275

Oct 73

DEI Director Discusses New Electric Power
Projects, 5 pp.
ELEVETHEROS KOSMOS, Athens, 4 Sep 73, pp 1, 9.
JPRS 60275

Oct 73

Responsibilities of Constitutional Court
Enumerated, 11 pp.
ELEVTHIEROS KOSMOS, Athens, 15 Sep 73, p 3.
JPRS 60364

Nov 73

Greek Economic Relations With Bulgaria,
Yugoslavia and Poland, 5 pp.
ELEVTHEROS KOSMOS, Athens, 18 Sep 73, p 9.
JPRS 60490

Nov 73

Greek Telecommunications Organization to gc Public.
5 pp

ELEVTHIEROS KOSMOS. Athens, 28 Sept 1973, pp 1, 7.

JPRS 60597

Biographic Sketches of Ministers in Markezinis
Government.

8 pp

ELEVTHEROS KOSMOS, Athens, 9 Oct 1973, p 7.

JPRS 60597

Panadimitriou, Nikos

Problem of Athens Airport Location Discussed,
6 pp.

ELEVTHEROS KOSMOS, Athens, 10 Mar 74, p 5.

JPRS 61874

Jul 74

Panadimitriou, Nikos

Expert Points Up Disadvantages of Extending
Ellinikon Airport Into Sea, 5 pp.
ELEFTHEROS KOSMOS, Athens, 24 Mar 74, p 13.
JPRS 61938

Jul 74

Mobateli, Angelo

Agrivert Center Director Discusses Projects,
Goals, 5 pp.

ELIMA, Kinshasa, 13-14 May 73, p 3.

JPRS 59422

Jul 73

Biwandu, Kiefu

Interview With Zairian State Commissioner
Published, 6 pp.

ELIMA, Kinshasa, 21 May 73, pp 56-58.

JPRS 59422

Jul 73

UNTZA Resolutions Give Support to New Regime,
24 pp.
ELIMA, Kinshasa, 28 Aug 73, p 4; 29 Aug 73,
p 6.
JPRS 60168

Oct 73

Belgian Prime Minister Leburton Gives Wide-
Ranging Interview, 5 pp.

ELIMA, Kinshasa, 2-3 Sep 73, p 4.

JPRS 60270

Oct 73

Decree on State Security Court.

6 pp

ELIMA, Kinshasa, 4, 5, Sept 1973.

JPRS 60293

Belgian-Zairian Cooperation Discussed, 5 pp.
ELIMA, Kinshasa, 5 Sep 73, p 8; 6 Sep 73, p 5.
JPRS 60270

Oct 73

Kelo, Ndilu a Kanda

Progress in Kivu Noted, 6 pp.
ELIMA, Kinshasa, 16-17 Sep 73, p 16.
JPRS 60338

Nov 73

Mobutu Explains African-Arab Solidarity During
Crises, 5 pp.

ELIMA, Kinshasa, 20 Dec 73, pp 8, 14.

JPRS 61091

Feb 74

Relations With Zaire, Oil Shortage,
African Organizations Discussed, 8 pp.
ELIMA, Kinshasa, 6-7 Jan 74, p 10.
JPRS 61274

Mar 74

Marichal, Alberto

Armed Forces Civic Programs Reviewed.

6 pp

ELITE, Caracas, 18 May 1973, pp 12-15.

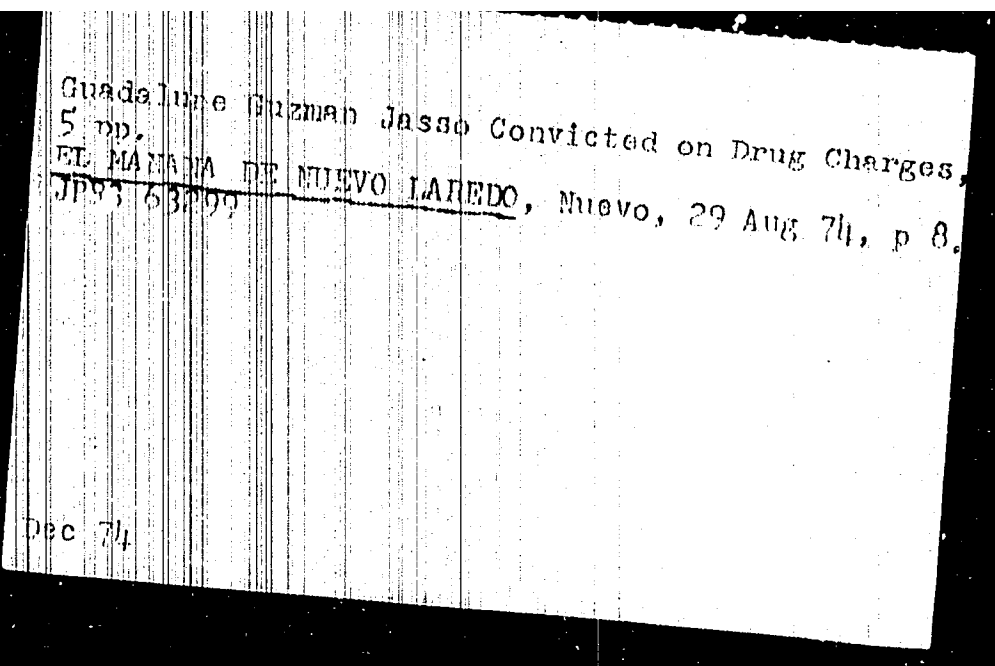
JPRS 59349

President-Elect Discusses Plans for Government.

14 pp

ELITE, Caracas, 21 Dec 1973, pp 16-21.

JPRS 61059



Portuguese Officers Call for Independence,
Recognition of PAIGC, 6 pp.

EL MOUDJAHID, Algiers, 27 Jul 74, p 7.

JPRS 62868

Nov 74

Report on UNFA National Council Meeting,
Resolution, 5 pp.

EL MOUDJAHID, Algiers, 8-9 Sep 74, p 2.

JPRS 63197

Nov 74

Shumann, Ulrich

A procedure of the direct numerical simulation of
turbulent flows in plane channels and annuli and its
application in the development of turbulence models

ELN VERFAHREN ZUR DIREKTEN NUMERISCHEN SIMULATION
TURBULENTER STROMUNGEN IN FLATTEN- UND RINGSPAL-KANALEN
UND UEBER SEINE ANWENDUNG TURBULENZ-MODELLEN, DISSERTA-
TION, UNIVERSITY OF KARLSRUHE, KARLSRUHE, AND REPORT KFK
KERNFORSCHUNGSZENTRUM KARLSRUHE 1982

...F...
KERNFORSCHUNGSZENTRUM KARLSRUHE, 1973, pp. 1-249
NASA TT P-15, 391

Derlin, K.

Welding and Rail Material.

ELSNERS TACHENBUCH DER EISENBAHNTÉCHNIK, 1971.

*BISI 11482

Ahlstrom, J.

IR Technology Shows Up Defects with Heat 12 pp

ELTEKNIK MED. AKTUELL ELEKTRONIK
Dec, 1972 pp 16-19

GB/DEFDRI/TRAN-3179-73

Gutierrez, Gabriel

Government Issues Message on State of Current
Administration, 6 pp.

EL TIEMPO, Bogota, 27 Oct 74, pp 1-A, 11-A.

JPRS 63139

Doc 51

Al-Foil for Drink Packaging

7 pp

Emballage, Vol. 37, No. 5, May 1971, pp 22-24

ACSI-K-2213

FSTC-HT-23-1664-72